

# A WORKSHOP ON THE ACTS TOOLKIT: *Solving Problems in Science and Engineering*

October 10-13, 2001, Lawrence Berkeley National Laboratory and National Energy Research Scientific Computing (NERSC)

Time		Wednesday, 10/10	Thursday, 10/11	Friday, 10/12	Saturday, 10/13
Start	End				
08:00	08:30	Breakfast + Registration	Breakfast	Breakfast	Breakfast
08:30	08:45	Welcome notes <b>P. Oddone</b> LBNL Deputy Director	Future of High Performance Computing <b>H. Simon</b> NERSC Division director	PETSc <b>S. Balay and L. McInnes</b> Argonne National Laboratory	SILOON and PAWS <b>M. Sottile</b> Los Alamos National Lab
08:45	09:00	Advance Computational Testing and Simulation: <b>J McGraw</b> Lawrence Livermore National Lab	Trilinos <b>M. Heroux</b> Sandia National Lab		TAU <b>S. Shende</b> University of Oregon
09:00	09:30	Solving problems in Science and Engineering <b>O. Marques</b> LBNL/NERSC			Next Steps <b>T. Drummond</b> LBNL/NERSC
09:30	10:00	Introduction Material <b>T. Drummond</b> LBNL/NERSC			
10:00	10:20	Coffee Break	Coffee Break	Coffee Break	SILOON and PAWS Hands-On VI <b>C. Rasmussen</b>
10:20	11:20	ScalAPACK <b>O. Marques</b> LBNL/NERSC	Hypre <b>Ulrike Yang</b> Lawrence Livermore National Lab	PETSc <b>S. Balay and L. McInnes</b> Argonne National Laboratory	
11:20	12:20	SuperLU <b>X. Li</b> LBNL/NERSC	PVODE, KINSOL and IDA <b>A. Hindmarsh</b> Lawrence Livermore National Lab	PETSc <b>S. Balay and L. McInnes</b> Argonne National Laboratory	TAU Hands-On VII <b>S. Shende</b>
12:20	13:30	LUNCH and group picture	LUNCH	LUNCH	BBQ (until 3:30 PM)

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13:30	14:20	Babel <b>S. Kohn</b> Lawrence Livermore National Lab	Global Arrays <b>V. Tippuraju</b> Pacific Northwest National Lab	TAO <b>S. Benson and J. Moré</b> Argonne National Laboratory
14:20	15:10	CCA <b>R. Armstrong</b> Sandia National Laboratory	Overture <b>D. Quinlan</b> Lawrence Livermore National Lab	Globus <b>K. Keahey</b> Argonne National Laboratory
15:10	16:00	<i>Discussion Session I</i>	CUMULVS <b>J. Kohl</b> Oak Ridge National Lab	<i>Discussion Session III</i>
16:00	16:30	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
<i>Hands-On sessions are held at UC Berkeley</i>				
16:30	17:30	ScaLAPACK Hands-On I <b>O. Marques</b>	Discussion Session II	PETSc Hands-On IV <b>S. Balay and L. McInnes</b>
17:30	18:30	SuperLU Hands-On II <b>X. Li</b>	CUMULVS Hands-On III <b>J. Kohl</b>	TAO Hands-On V <b>S. Benson and J. Moré</b>
19:00		Workshop reception		